7 REFERENCES

Acoustical Society of America, 1983, *American National Standard Specification for Sound Level Meters*, ANSI S1.4-1983, New York, N.Y., Feb.

Acoustical Society of America, 1985, *American National Standard Specification for Sound Level Meters*, ANSI S1.4A-1985, Amendment to ANSI S1.4-1983, New York, N.Y., June.

AIHA (American Industrial Hygiene Association), 2002, The AIHA 2002 Emergency Response Planning Guidelines and Workplace Environmental Exposure Level Guides Handbook, Fairfax, Va.

Allison, T., 2002, "DUF₆ County, City, and School District Financial Data," intraoffice memo from Allison (Argonne National Laboratory, Argonne, Ill.) to H. Avci (Argonne National Laboratory, Argonne, Ill.), Aug. 1.

American Medical Association, 1999, *Physician Characteristics and Distribution in the U.S.*, Chicago, Ill.

Anderson County, 2002, *The Zoning Resolution of Anderson County, Tennessee*, Department of Engineering and Public Works, Clinton, Tenn.

Andrews, V.L., Jr., 2004, FWS #04-0582; Biological Assessment for the Indiana Bat, Informal Consultation for the Proposed Depleted Uranium Hexafluoride Facility, McCracken County, Kentucky, personal correspondence from Andrews (U.S. Department of the Interior, Fish and Wildlife Service, Frankfort, Ky.) to J.L. Elmore (U.S. Department of Energy, Oak Ridge Operations Office, Oak Ridge, Tenn.), March 2.

ANL (Argonne National Laboratory), 1991a, Environmental Site Description for a Uranium Atomic Vapor Laser Isotope Separation (U-AVLIS) Production Plant at the Paducah Gaseous Diffusion Plant Site, ANL/EAIS/TM-59, Argonne, Ill., Sept.

ANL, 1991b, Environmental Site Description for a Uranium Atomic Vapor Laser Isotope Separation (U-AVLIS) Production Plant at the Oak Ridge Gaseous Diffusion Plant Site, ANL/EAIS/TM-58, Argonne, Ill., Sept.

Bechtel Jacobs Company LLC, 2002, *East Tennessee Technology Park*, Oak Ridge, Tenn. Available at http://www.bechteljacobs.com/ettp/orpublic.htm. Accessed July 26, 2002.

Bechtel Jacobs Company LLC, 2003, Transportation Plan for the Transport of ANSI N14.1-Compliant UF₆ Cylinders from the East Tennessee Technology Park to the Portsmouth Gaseous Diffusion Plant in Years 2003 through 2005, BJC/OR-1432, prepared for U.S. Department of Energy, Office of Environmental Management, Oak Ridge, Tenn., April.

Biwer, B.M., and J.P. Butler, 1999, "Vehicle Emission Unit Risk Factors for Transportation Risk Assessments," *Risk Analysis* 19:1157–1171.

Biwer, B.M., et al., 2001, Transportation Impact Assessment for Shipment of Uranium Hexafluoride (UF₆) Cylinders from the East Tennessee Technology Park to the Portsmouth and Paducah Gaseous Diffusion Plants, ANL/EAD/TM-112, Argonne National Laboratory, Argonne, Ill., Oct.

BLS (Bureau of Labor Statistics), 2002, *Local Area Unemployment Statistics*, Washington, D.C. Available at ftp://ftp.bls.gov/pub/time.series/la/.

Brown, A., 2002, personal communication from Brown (McCracken County, Ky.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 20.

Brumburgh, G.P., et al., 2000, A Peer Review of the Strategy for Characterizing Transuranics and Technetium Contamination in Depleted Uranium Hexafluoride Tails Cylinders, UCRL-ID-140343, Lawrence Livermore National Laboratory, Livermore, Calif., Sept. 1.

Cain, W., 2002a, personal communication from Cain (U.S. Department of Energy, ETTP Site Office, Oak Ridge, Tenn.) to H. Hartmann (Argonne National Laboratory, Argonne, Ill.), July 5.

Cain, W., 2002b, personal communication from Cain (U.S. Department of Energy, ETTP Site Office, Oak Ridge, Tenn.) to H. Hartmann (Argonne National Laboratory, Argonne, Ill.), July 22.

Cain, W., 2002c, personal communication from Cain (U.S. Department of Energy, ETTP Site Office, Oak Ridge, Tenn.) to H. Hartmann (Argonne National Laboratory, Argonne, Ill.), July 30.

CDM Federal Programs Corporation, 1994, *Investigation of Sensitive Ecological Resources inside the Paducah Gaseous Diffusion Plant*, Document Control Number 7916-003-FR-BBRY, prepared by CDM, Paducah, Ky., for U.S. Department of Energy, Paducah Gaseous Diffusion Plant, and Martin Marietta Energy Systems, Inc., Paducah, Ky., Aug. 19.

Centers for Disease Control and Prevention, 1996, "Advance Report of Final Mortality Statistics, 1994," *Monthly Vital Statistics Report* 45(3) Supplement, U.S. Public Health Service, Washington, D.C., Sept. 30, p. 7.

CEQ (Council on Environmental Quality), 1997, Environmental Justice Guidance under the National Environmental Policy Act, Executive Office of the President, Washington D.C., Dec.

CNN, 2002, *Moderate Earthquake Shakes Indiana, Illinois, Kentucky,* Internet posting, 5:05 p.m., June 18.

Commonwealth of Kentucky and U.S. Department of Energy, 2003, Agreed Order Attachment 1: Cylinder Management Plan for Depleted Uranium Hexafluoride (DUF₆), Sept. 29.

Croff, A.G., et al., 2000a, Assessment of Preferred Depleted Uranium Disposal Forms, ORNL/TM-2000/161, Oak Ridge National Laboratory, Oak Ridge, Tenn., June.

Croff, A.G. et al., 2000b, Evaluation of the Acceptability of Potential Depleted Uranium Hexafluoride Conversion Products at the Envirocare Disposal Site, ORNL/TM-2000/355, Oak Ridge National Laboratory, Oak Ridge, Tenn., Dec.

DOE (U.S. Department of Energy), 1979, *Environmental Assessment of the Oak Ridge Gaseous Diffusion Plant Site*, DOE/EA-0106, Oak Ridge, Tenn., Dec.

DOE, 1988, General Environmental Protection Program, DOE Order 5400.1, Washington, D.C., Nov. 9.

DOE, 1990, Radiation Protection of the Public and the Environment, DOE Order 5400.5, Washington, D.C., Feb. 8.

DOE, 1992, *Radiological Control Manual*, DOE/EH-0256T, Assistant Secretary for Environment, Safety and Health, Washington, D.C., June.

DOE, 1993, Nonnuclear Consolidation, Environmental Assessment, Volume I: Nuclear Weapons Complex Reconfiguration Program, DOE/EA-0792, Office of Defense Programs, Washington, D.C., June.

DOE, 1994a, Technical Review of UF₆ Cylinders Management, Oak Ridge K-25 Site, December 13–14, 1994, presentation.

DOE, 1994b, Remedial Investigation Addendum for Waste Area Grouping 23, PCB Sites at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/OR/07-1149 & D2 (KY/ER-32 & D2), Rev. 2, Sept.

DOE, 1995, Department of Energy Programmatic Spent Nuclear Fuel Management and Idaho National Engineering Laboratory Environmental Restoration and Waste Management Programs Final Environmental Impact Statement, DOE/EIS-0203-F, Office of Environmental Management, Idaho Operations Office, Idaho Falls, Idaho, April.

DOE, 1996, Technical Report on Affected Environment for the DOE Sites Considered in the DOE Waste Management Programmatic Environmental Impact Statement (WM PEIS), Vols. I and II, META/Berger-SR-01, prepared by META/Berger, Gaithersburg, Md., for DOE, Office of Environmental Management, Dec.

DOE, 1997, Final Waste Management Programmatic Environmental Impact Statement for Managing Treatment, Storage, and Disposal of Radioactive and Hazardous Waste, DOE/EIS-0200-F, Office of Environmental Management, Washington, D.C.,

DOE, 1999a, Final Programmatic Environmental Impact Statement for Alternative Strategies for the Long-Term Management and Use of Depleted Uranium Hexafluoride, DOE/EIS-0269, Office of Nuclear Energy, Science and Technology, Germantown, Md., April.

DOE, 1999b, Final Plan for the Conversion of Depleted Uranium Hexafluoride as Required by Public Law 105-204, Office of Nuclear Energy, Science, and Technology, Washington, D.C., July.

DOE, 1999c, Record of Decision for Long-Term Management and Use of Depleted Uranium Hexafluoride, 6450-01-P, Washington, D.C., Aug. 2.

DOE, 1999d, Final Environmental Assessment, Proposed Demonstration of the Vortec Vitrification System for Treatment of Mixed Wastes at the Paducah Gaseous Diffusion Plant, DOE/EA-1230, Oak Ridge Operations, Oak Ridge, Tenn., Dec.

DOE, 1999e, *Deactivation Implementation Guide*, DOE G 430.1-3, Office of Field Integration, Sept. 29. Available at http://www.directives.doe.gov. Accessed July 2002.

DOE, 1999f, *Decommissioning Implementation Guide*, DOE G 430.1-4, Office of Field Integration, Sept. 2. Available at http://www.directives.doe.gov. Accessed July 2002.

DOE, 1999g, Final Environmental Impact Statement for the Production of Tritium in a Commercial Light Water Reactor, DOE/EIS-0288, Assistant Secretary for Defense Programs, Washington, D.C., March.

DOE, 1999h, Remedial Investigation Report for Waste Area Grouping 27 at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Vol. 1, Sections 1-8, DOE/OR/07-1777/V1&V2, June.

DOE, 2000a, *U.S. Department of Energy DUF₆ Materials Use Roadmap*, ORNL-6968, M.J. Haire and A.G. Croff (editors), Aug. 27. Available at http://web.anl.ead.gov/uranium/pdf/DURoadmap.pdf.

DOE, 2000b, *Paducah Site, Annual Site Environmental Report for 1999*, BJC/PAD-206, prepared by CDM, Kevil, Ky., for Bechtel Jacobs Company LLC and U.S. Department of Energy, Paducah, Ky., Dec.

DOE, 2000c, Non-Reactor Nuclear Safety Design Criteria and Explosives Safety Criteria Guide for Use with DOE O 420.1, Facility Safety, DOE G 420.1-1, Washington, D.C., March 28. Available at http://www.directives.doe.gov/serieslist.html. Accessed July 2002.

DOE, 2000d, Request for Proposals (No. DE-RP05-010R22717) Design, Construction, and Operation of DUF₆ Conversion Facilities, Oak Ridge Operations Office, Oak Ridge, Tenn., Oct. 31.

DOE, 2001a, Baseline Human Health Risk Assessment and Screening Ecological Risk Assessment for the Proposed Site of the UF₆ Conversion Facility, Including the Eastern Portion of SWMU 194, McGraw Construction Facilities (South Side), at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, DOE/OR/07-1928&D1, prepared by Science Applications International Corp., for U.S. Department of Energy, Office of Environmental Management, Aug.

DOE, 2001b, *Paducah Site, Annual Site Environmental Report for Calendar Year 2000*, BJC/PAD-237, prepared by CDM Federal Services, Inc., Kevil, Ky., for Bechtel Jacobs Company LLC and U.S. Department of Energy, Paducah, Ky., Oct.

DOE, 2001c, *Oak Ridge Reservation Annual Site Environmental Report for 2000*, DOE/ORO/2119, prepared by Oak Ridge National Laboratory, Oak Ridge Y-12 National Security Complex, and East Tennessee Technology Park, Oak Ridge, Tenn., for U.S. Department of Energy, Sept. Available at http://www.ornl.gov/aser.

DOE, 2002a, Final Environmental Assessment for Waste Disposition Activities at the Paducah Site, Paducah, Kentucky, DOE/EA-1339, Nov.

DOE, 2002b, *Oak Ridge Reservation Annual Site Environmental Report for 2001*, DOE/ORO/2133, Oak Ridge National Laboratory, Oak Ridge, Tenn., Sept. Available at http://www.ornl.gov/aser.

DOE, 2002c, A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota, DOE-STD-1153-2002, Washington, D.C., July.

DOE, 2002d, "Chapter 7: Nonradiological Effluent Monitoring," in *Paducah Site, Annual Site Environmental Report for Calendar Year 2001*, BJC/PAD-219, prepared by CDM Federal Services, Kevil, Ky., for Bechtel Jacobs Company LLC and U.S. Department of Energy, Paducah, Ky., Sept. Available at http://www.bechteljacobs.com/pad/aser2001.htm.

DOE, 2002e, *A Resource Handbook on DOE Transportation Risk Assessment*, DOE/EM/NTP/HB-01, Office of Environmental Management, National Transportation Program, Washington, D.C., July.

DOE, 2002f, Implementation Guide, Control and Release of Property with Residual Radioactive Material for Use with DOE 5400.5, Radiation Protection of the Public and the Environment, DOE G 441.1-XX, draft, Washington, D.C., April 4.

DOE, 2002g, Final Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada, DOE/EIS-0250, Office of Civilian Radioactive Waste Management, Feb.

DOE, 2003b, "Notice of Change in National Environmental Policy Act (NEPA) Compliance Approach for the Depleted Uranium Hexafluoride (DUF₆) Conversion Facilities Project," *Federal Register*, Vol. 68, pp. 22368–22369, April 28.

DOE, 2003c, Final Programmatic Environmental Assessment for the U.S. Department of Energy, Oak Ridge Operations Implementation of a Comprehensive Management Program for the Storage, Transportation, and Disposition of Potentially Reusable Uranium Materials, DOE/EA-1393, Oak Ridge Operations, Oak Ridge, Tenn., Feb.

DOE, 2003d, Final Supplement Analysis for Transportation of DOT Compliant Depleted Uranium Hexafluoride Cylinders from the East Tennessee Technology Park to the Portsmouth Gaseous Diffusion Plant in Fiscal Years 2003 through 2005, DOE/EIS-0269/SA-1, Oak Ridge Operations Office, Oak Ridge, Tenn., Aug.

DOE 2004a, Final Environmental Impact Statement for Construction and Operation of a Depleted Uranium Hexafluoride Conversion Facility at the Portsmouth, Ohio, Site, DOE/EIS-0360, Oak Ridge Operations, Office of Environmental Management, Oak Ridge, Tenn., June.

DOE 2004b, "Draft Audit Report on 'Depleted Uranium Hexafluoride Conversion," memorandum from J.H. Roberson, Assistant Secretary for Enviornmental Management, to F.D. Doggett, Deputy Assistant Inspector General for Audit Services, Feb. 4.

DOE, 2004c, Audit Report, Depleted Uranium Hexafluoride Conversion, DOE/IG-0642, Office of Inspector General, Office of Audit Services, March.

DOE and USEC (United States Enrichment Corporation), 1998a, Memorandum of Agreement Relating to Depleted Uranium Generated Prior to the Privatization Date, May 18.

DOE and USEC, 1998b, Memorandum of Agreement Relating to Depleted Uranium, June 30.

DOE and USEC, 2002, Memorandum of Agreement Relating to Uranium Enrichment Capacity and Nuclear Nonproliferation Programs in Russia, June 17.

DOT (U.S. Department of Transportation), 2003a, *Questions and Answers About: Locomotive Horn Noise Assessment*, Federal Railroad Administration, Washington, D.C. Available at http://www.fra.dot.gov/rdv/environmental_impact_assessment/noiseqa.htm. Accessed May 2003.

DOT, 2003b, *Hazardous Material Incident System (HMIS) Database*. Available at http://hazmat.dot.gov/files/hazmat/10year/10yearfrm.htm. Accessed May 23.

Dubrin, J.W., et al., 1997, Depleted Uranium Hexafluoride Management Program: The Engineering Analysis Report for the Long-Term Management of Depleted Uranium Hexafluoride, UCRL-AR-124080, Vols. I and II, prepared by Lawrence Livermore National Laboratory, Science Applications International Corporation, Bechtel, and Lockheed Martin Energy Systems for U.S. Department of Energy, Washington, D.C., May.

Duvall, G.D., and P.A. Souza, 1996, An Evaluation of Previously Recorded and Inventoried Archeological Sites on the Oak Ridge Reservation, Anderson and Roane Counties, Tennessee, ORNL/M-4946, Oak Ridge National Laboratory, Oak Ridge, Tenn., Jan.

Early, T.O., et al., 1989, Groundwater Monitoring Plan for the Paducah Gaseous Diffusion Plant, Oak Ridge National Laboratory, Oak Ridge, Tenn. Aug.

Edgar, J.B., 1994, *Siemen-By-Product Hydrofluoric Acid Release Limit Proposal*, letter with attachment from Edgar (Siemens Power Corporation, Richland, Wash.) to R.C. Pierson (U.S. Nuclear Regulatory Commission, Washington, D.C.), June 28.

EDGe, 1987, Groundwater Monitoring Plan for U.S. Department of Energy Paducah Gaseous Diffusion Plant (DOE/PGDP) Reservation, EDGe Project No. 1001, prepared by the Design Geosciences Group, Inc., Nashville, Tenn., March.

Elayat, H., et al., 1997, Cost Analysis Report for the Long-Term Management of Depleted Uranium Hexafluoride, UCRL-AR-127650, Lawrence Livermore National Laboratory, Livermore, Calif., May.

EPA (U.S. Environmental Protection Agency), 1974, Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety, EPA-550/9-74-004, Washington, D.C.

EPA, 1993, Hydrogen Fluoride Study, Report to Congress, Section 112(n)(6), Clear Air Act as Amended, Final Report, EPA550-R-93-001, Chemical Emergency Preparedness and Prevention Office, Washington, D.C., Sept.

EPA, 1995, *User's Guide for the Industrial Source Complex (ISC3) Dispersion Models, Volume I—User Instructions*, EPA-454/B-95-003a, Office of Air Quality Planning and Standards, Research Triangle Park, N.C., Sept.

EPA, 1996, *Drinking Water Regulations and Health Advisories*, EPA 882-B-96-002, Office of Water, Washington, D.C., Oct.

EPA, 2002, *Compilation of Air Pollutant Emission Factors*, AP-42, 5th ed. Available at http://www.epa.gov/ttn/chief/ap42/index.html. Accessed June and July 2002.

EPA, 2003a, *AirData*, "NET Facility Emissions Report." Available at http://www.epa.gov/air/data/index.html. Accessed Feb. 2003.

EPA, 2003b, Ground Water and Drinking Water, Radionuclides in Drinking Water, Final Standards. Available at wysiwug://45/http://www.epa.gov/safewater/standard/pp/radnucpp.html. Accessed Aug. 2003.

ERC/EDGe, 1989, The Geologic Setting of the DOE Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Knoxville, Tenn., Oct. 17.

ERDA (U.S. Energy Research and Development Administration), 1977, Final Environmental Statement, Portsmouth Gaseous Diffusion Plant Expansion, Piketon, Ohio, ERDA-1549.

Folga, S.M., 2003, "Fluoride Emissions," intraoffice e-mail with attached spreadsheets from Folga to Y. Chang (Argonne National Laboratory, Argonne, Ill.), March 10.

Forward, M.M., et al., 1994, *Methodology for Selecting Technologies and Estimating Waste Volumes, Costs and Labor Requirements for Environmental Restoration*, Pacific Northwest Laboratory, Richland, Wash., April.

Geraghty & Miller, Inc., 1989, *Hydrogeology of the Oak Ridge Gaseous Diffusion Plant*, revised draft report, Oak Ridge, Tenn., Dec.

Geraghty & Miller, Inc., 1991, Ground-Water Levels at the Oak Ridge K-25 Site, Oak Ridge, TN, Oak Ridge, Tenn., June.

Hartmann, H.M., et al., 1999, Depleted Uranium Hexafluoride Management Program: Data Compilation for the Paducah Site in Support of Site-Specific NEPA Requirements for Continued Cylinder Storage, Cylinder Preparation, Conversion, and Long-Term Storage Activities, ANL/EAD/TM-109, Argonne National Laboratory, Argonne, Ill., Aug.

Hatfield, V., 2002, personal communication from Hatfield (City of Knoxville, Tenn.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), June 4.

Hayden, J., 2002, personal communication from Hayden (City of Lake City, Tenn.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 31.

Healthcare InfoSource, Inc., 1998, AHA ™ Guide to the Health Care Field, Chicago, Ill.

Hicks, J.M., 2002a, 2001 Summary for Paducah Cylinder Workers Personnel External Dose, personal communication from Hicks (U.S. Department of Energy, Paducah, Ky.) to J.-J. Cheng (Argonne National Laboratory, Argonne, Ill.), Aug. 2.

Hicks, J.M., 2002b, *Quarterly Routine Survey/Inspection Report*, *PDGP February* 2002, personal communication from Hicks (U.S. Department of Energy, Paducah, Ky.) to J.-J. Cheng (Argonne National Laboratory, Argonne, Ill.), Aug. 2.

Hightower, J.R., 2002, "Final Report Updating No Action Alternative in PEIS," e-mail with attachment entitled *PEIS for DUF₆ No-Action Alternative Update*, dated July 11, 2002, from Hightower (Oak Ridge National Laboratory, Oak Ridge, Tenn.) to J.R. Gasper (Argonne National Laboratory, Argonne, Ill.), July 31.

Hightower, J.R., 2004, "All-Site UF₆ Inventory," e-mail dated January 26, 2004, from Hightower (Oak Ridge National Laboratory, Oak Ridge, Tenn.) to H. Hartmann (Argonne National Laboratory, Argonne, Ill.), Jan. 26.

Hightower, J.R., et al., 2000, Strategy for Characterizing Transuranics and Technetium Contamination in Depleted UF₆ Cylinders, ORNL/TM-2000/242, Oak Ridge National Laboratory, Oak Ridge, Tenn., Oct.

HMMH (Harris Miller Miller & Hanson, Inc.), 1995, *Transit Noise and Vibration Impact Assessment*, prepared by HMMH, Burlington, Mass., for Office of Planning, Federal Transit Administration, U.S. Department of Transportation, Washington, D.C., April.

Hodges, J., 1996, *Average Exposure Data for Cylinder Yard Workers*, attachment to facsimile transmittal from Hodges (Paducah Gaseous Diffusion Plant, Paducah, Ky.) to C.E. Bradley (U.S. Department of Energy, Washington, D.C.), Jan. 23.

Holcombe-Burdette, D., 1998, *K-25 Site Cultural Resources Survey, Volume 1*, JE/EM-41, prepared by Jacobs Environmental Management Team, Oak Ridge, Tenn., for U.S. Department of Energy, March.

Humphrey, M.E., 1976, Soil Survey of Ballard and McCracken Counties, Kentucky, U.S. Department of Agriculture, Soil Conservation Service, Feb.

Hydrogen Fluoride Industry Practices Institute, 1995a, Recommended Practices for the Hydrogen Fluoride Industry, Volume 1 — Guideline for the Bulk Storage of Anhydrous Hydrogen Fluoride, Storage Systems Task Group, Washington, D.C., Jan. 24.

Hydrogen Fluoride Industry Practices Institute, 1995b, Recommended Practices for the Hydrogen Fluoride Industry, Volume 1 — New Tank Car Guideline for Anhydrous Hydrogen Fluoride, Transportation Task Group, Washington, D.C., Jan. 25.

ICRP (International Commission on Radiological Protection), 1991, 1990 Recommendations of the International Commission on Radiological Protection, ICRP Publication 60, Annals of the ICRP, Vol. 21, Nos. 1–3, Pergamon Press, New York, N.Y.

Kentucky Department of Education, 2002, *Kentucky Department of Education*. Available at http://www.kde.state.ky.us/KDE/About+Schools+and+Districts/default.htm. Accessed Aug. 2002.

Kentucky Division for Air Quality, 2002, Kentucky Ambient Air Quality Annual Report 2001, Frankfort, Ky., June.

Knaus, S., 2002, personal communication from Knaus (Lan-Con, Paducah, Ky.) to Y.-S. Chang (Argonne National Laboratory, Argonne, Ill.), June 24.

LMES (Lockheed Martin Energy Systems, Inc.), 1996a, *Paducah Site Annual Environmental Report for 1994*, ES/ESH-60 (KY/EM-79), prepared by Environmental, Safety, and Health Compliance and Environmental Management staffs, Oak Ridge, Tenn., and Environmental Management Division, Paducah Site, Paducah, Ky., for U.S. Department of Energy, Feb.

LMES 1996b, *Oak Ridge Reservation Annual Site Environmental Report for 1995*, ES/ESH/69, prepared by Oak Ridge National Laboratory and the Oak Ridge Y-12 Plant and Oak Ridge K-25 Site, Oak Ridge, Tenn., for U.S. Department of Energy, Sept.

LMES, 1996c, *Environmental Monitoring and Surveillance on the Oak Ridge Reservation: 1994 Data*, ES/ESH-59, prepared by Environmental, Safety, and Health Compliance and Environmental Management staffs, Oak Ridge Y-12 Plant and Oak Ridge K-25 Site, Oak Ridge, Tenn., for U.S. Department of Energy, April.

LMES, 1997a, *Paducah Site Annual Report for 1995*, KY/EM-176, prepared by Environmental Management Division, Kevil, Ky., for U.S. Department of Energy, Jan.

LMES, 1997b, Safety Analysis Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Revision R0-A, KY/EM-174, Paducah, Ky.

LMES, 1997c, *Paducah Site Annual Environmental Report for 1996*, KY/EM-206, prepared by Environmental Management Division, Kevil, Ky., for U.S. Department of Energy, Dec.

LMES, 1997d, *UF*₆ *Cylinder Project Management Plan*, K/TSO-30, Rev. 2, prepared by Project Support Organization, East Tennessee Technology Park, Oak Ridge, Tenn., for U.S. Department of Energy.

McGinnis, J., 2002, personal communication from McGinnis (City of Oak Ridge, Tennessee) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 31.

McGuire, S.A., 1991, *Chemical Toxicity of Uranium Hexafluoride Compared to Acute Effects of Radiation*, Final Report, NUREG-1391, U.S. Nuclear Regulatory Commission, Office of Nuclear Regulatory Research, Washington, D.C., Feb.

MMES (Martin Marietta Energy Systems, Inc.), 1990, *U-AVLIS Site Data Package*, *Paducah Gaseous Diffusion Plant*, KY/A-553, Paducah, Ky., Oct.

MMES, 1994a, *Paducah Gaseous Diffusion Plant, Annual Site Environmental Report for 1993*, ES/ESH-53 (KY/ERWM-18), prepared by MMES, Oak Ridge Tenn., and Paducah, Ky., for U.S. Department of Energy, and by Martin Marietta Utility Services, Inc., for United States Enrichment Corporation, Oct.

MMES, 1994b, *Paducah Gaseous Diffusion Plant, Annual Site Data for 1993*, ES/ESH-55 (KY/ERWM-20), prepared by MMES, Oak Ridge, Tenn., and Paducah, Ky., for U.S. Department of Energy, and by Martin Marietta Utility Services, Inc., for United States Enrichment Corporation, Oct.

Moriarty, P., 2002, personal communication from Moriarty (City of Paducah, Ky.) to L. Nieves (Argonne National Laboratory, Argonne, Ill), May 17.

Morris, M.W., 1998, *K-25 Site Cultural Resources Survey, Archaeological Reconnaissance*, JE/EM-41, prepared by Jacobs Environmental Management Team, Oak Ridge, Tenn., for U.S. Department of Energy, March.

National Climatic Data Center, undated, *Hourly United States Weather Observations*, 1990–1995, Asheville, N.C.

National Safety Council, 2002, Injury Facts, 2002 Edition, Itasca, Ill.

NCRP (National Council on Radiation Protection and Measurements), 1987, *Ionizing Radiation Exposure of the Population of the United States*, NCRP Report No. 93, Bethesda, Md.

NRC (U.S. Nuclear Regulatory Commission), 1977, Final Environmental Statement on the Transportation of Radioactive Material by Air and Other Modes, NUREG-0170, Washington, D.C.

NRC, 1988, Final Generic Environmental Impact Statement on Decommissioning of Nuclear Facilities, NUREG-0586, Washington, D.C., Aug.

NRC, 1994, Generic Environmental Impact Statement in Support of Rulemaking on Radiological Criteria for Decommissioning of NRC-Licensed Nuclear Facilities, NUREG-1496, Washington, D.C., Aug.

NRC, 1995, Environmental Assessment for Renewal of Source Material License, SUB-526, Docket 40-3392, Allied Signal, Inc., Metropolis, Illinois, Division of Fuel Cycle Safety and Safeguards, Washington, D.C.

Nuttli, O.W., 1973, "The Mississippi Valley Earthquakes of 1811 and 1812: Intensities, Ground Motion, and Magnitudes," *Bulletin of the Seismological Society of America* 63(1):227–248.

Operations Management International, Inc., 2002a, *Overview*. Available at http://www.ettpreuse.com/overview.html. Accessed July 26, 2002.

Operations Management International, Inc., 2002b, *Current Tenants*. Available at http://www.ettpreuse.com/tenants.html. Accessed July 26, 2002.

ORNL (Oak Ridge National Laboratory), 2002, *Climatic Data for the Oak Ridge Reservation*. Available at http://www.ornl.gov/Env_Rpt/aser0l/aser2001.htm. Accessed Aug. 2003.

Parks, J.W., 1997, *Data for Revised No Action Alternative in the Depleted UF₆ Programmatic Environmental Impact Statement*, memorandum from Parks (U.S. Department of Energy, Enrichment Facilities, EF-20, Oak Ridge Operations Office, Oak Ridge, Tenn.) to C.E. Bradley (U.S. Department of Energy, Office of Facilities, NE-40, Germantown, Md.), April 7.

Parolari, K., 2002, personal communication from Parolari (Knox County, Tenn.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 31.

Pennington, G.G., 2001, Data Submittal for Preparation of the Site-Specific Environmental Impact Statement (EIS) for the Portsmouth and Paducah Conversion Facility Sites, personal communication from Pennington (Bechtel Jacobs Company LLC) to L.D. Boggs (U.S. Department of Energy), Feb. 8.

Platts Nuclear Fuel, 2002, "USEC, DOE Reach Agreement on Replacement of Some Contaminated U; HEU Contract Okayed," *Platts Nuclear Fuel* 27(13):1–8.

Policastro, A.J., et al., 1997, Facility Accident Impact Analyses in Support of the Uranium Hexafluoride Programmatic Environmental Impact Statement, attachment to intraoffice memorandum from Policastro et al. to H.I. Avci (Argonne National Laboratory, Argonne, Ill.), June 15.

Ranek, N.L., and F.A. Monette, 2001, Evaluation of UF₆-to-UO₂ Conversion Capability at Commercial Nuclear Fuel Fabrication Facilities, ANL/EAD/TM-110, Argonne National Laboratory, Argonne, Ill., May.

Rogers, A., 2002, personal communication from Rogers (Knox County, Tenn.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 31.

Rogers, J.G., et al., 1988, Environmental Surveillance of the U.S. Department of Energy Paducah Reservation and Surrounding Environs during 1987, ES/ESH-4/V3, prepared by Martin Marietta Energy Systems, Inc., Oak Ridge, Tenn., for U.S. Department of Energy, April.

Rothschild, E.R., et al., 1984, *Resource Management Plan, Oak Ridge Reservation, Volume 10, Appendix J: Hydrology,* ORNL-6026/V10, Oak Ridge, Tenn., July.

Sadri, R.J., 1995, letter from Sadri (Regulatory Branch, U.S. Army Corps of Engineers, Louisville District, Ky.) to J. Hodges (U.S. Department of Energy, Oak Ridge Operations, Paducah Site Office, Paducah, Ky.), Dec. 14.

Saint Louis University Earthquake Center, 2002, *Introduction to the New Madrid Seismic Zone*. Available at http://www.eas.slu.edu/Earthquake_Center/SEISMICITY/NewMadridGeneral.html. Accessed June 2002.

Saricks, C.L., and M.M. Tompkins, 1999, *State-Level Accident Rates of Surface Freight Transportation: A Reexamination*, ANL/ESD/TM-150, Argonne National Laboratory, Argonne, Ill., April.

Shaw, K., 2001, Site Selection for Depleted Uranium Hexafluoride Conversion Facility at the Paducah Gaseous Diffusion Plant, e-mail with attachment of white paper from Shaw (DUF₆ Program, Office of Environmental Management, U.S. Department of Energy, Md.) to H.I. Avci and F.A. Monette (Argonne National Laboratory, Argonne, Ill.), May 1.

Sheppard, J.D., 2002, electronic data transmittal from Sheppard (U.S. Department of Energy, Portsmouth, Ohio) to H. Hartmann (Argonne National Laboratory, Argonne, Ill.), June.

Shootman, K., 2002, personal communication from Shootman (City of Clinton, Tenn.) to L. Nieves (Argonne National Laboratory, Argonne, Ill.), May 31.

Souza, P.A., et al., 2001, *Cultural Resources Management Plan, Department of Energy Oak Ridge Operations Office, Anderson and Roane Counties, Tennessee*, DOE/ORO-2085, U.S. Department of Energy, Oak Ridge Operations Office, Oak Ridge, Tenn., July.

Storm Prediction Center, 2002, *Historical Tornado Data Archive*. Available at http://www.spc.noaa.gov/archive/tornadoes/index.html. Accessed June 2002.

TDEC (Tennessee Department of Environment and Conservation), 1999, "Tennessee's Ambient Air Quality Standards," Chapter 1200-3-3 in *Rules of Tennessee Department of Environment and Conservation*, Nashville, Tenn., April.

Tennessee Department of Education, 2001, Annual Report 2001, State of Tennessee, Nashville, Nov.

Tetra Tech, Inc., 2000, *DUF*₆ Conversion Facility Site Characterization Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, BJC/PAD-207, prepared by Tetra Tech, Inc., Oak Ridge, Tenn., for U.S. Department of Energy, Office of Environmental Management, Sept. Available at http://www.oakridge.doe.gov/duf6disposition/PADUCAH_REPORT.pdf.

UDS (Uranium Disposition Services, LLC), 2003a, DUF_6 — General Facility Description, personal communication from S. Gertz (Burns and ROE Enterprises, Mt. Laurel, N.J.) to H. Avci (Argonne National Laboratory, Argonne, Ill.), Feb. 3.

UDS, 2003b, Updated NEPA Data, DUF₆-UDS-NEP-002, Rev. 0, Oak Ridge, Tenn, Aug. 27.

- U.S. Bureau of the Census, 1992, *County Business Patterns*, 1990, Washington, D.C. Available at http://www.census.gov/ftp/pub/epcd/cbp/view/cbpview.html.
- U.S. Bureau of the Census, 2000, *Poverty in the United States: 1999*, P-60-210, U.S. Department of Commerce, Washington, D.C.
- U.S. Bureau of the Census, 2001, Census 2000 Redistricting Data (Public Law 94-171), 2000 Census of Population and Housing, Technical Documentation, PL/00-1, Washington, D.C., Feb.
- U.S. Bureau of the Census, 2002a, U.S. Census American FactFinder. Available at http://factfinder.census.gov.
- U.S. Bureau of the Census, 2002b, *County Business Patterns*, 2000, Washington, D.C. Available at http://www.census.gov/ftp/pub/epcd/cbp/view/cbpview.html.
- U.S. Bureau of the Census, 2002c, *State and County Quickfacts*, *State of Kentucky and McCracken County, Kentucky*. Washington, D.C. Available at http://quickfacts.census.gov/qfd/states/21/21145.html. Accessed June 2002.

- U.S. Bureau of the Census, 2002d, *State and Local Government Employment and Payroll Data*, Washington, D.C. Available at http://www.census.gov/ftp/pub/govs/www/apesstl.html.
- U.S. Bureau of the Census, 2002e, *State and County Quickfacts, State of Tennessee and Roane County, Tennessee*. Available at http://quickfacts.census.gov/qfd/states/47/47001.html. Accessed June 2002.
- USDA (U.S. Department of Agriculture), 1994, *Census of Agriculture County Data, 1992*, National Agricultural Statistics Service, Washington, D.C. Available at http://www.nass.usda.gov/census/2/agrimenu.htm.
- USDA, 1999, Census of Agriculture, Volume 1: Geographic Area Series, Washington, D.C.
- U.S. Department of Commerce, 2002, *Regional Accounts Data, Local Area Personal Income*, Washington, D.C. Available at http://www.bea.doc.gov/bea/regional/reis.
- U.S. Department of the Army, 1994a, Environmental Investigations at the Paducah Gaseous Diffusion Plant and Surrounding Area, McCracken County, Kentucky; Volume IV, Cultural Resources Investigation; Part A, Results of Field Investigation, Final Report, Volume 4A, prepared by Waterways Experiment Station, Corps of Engineers Environmental Laboratory, Vicksburg, Miss., and Engineer District Nashville, Nashville, Tenn., for U.S. Department of Energy, Oak Ridge Operations, Paducah Site Office, Paducah, Ky., May.
- U.S. Department of the Army, 1994b, Environmental Investigations at the Paducah Gaseous Diffusion Plant and Surrounding Area, McCracken County, Kentucky; Volume IV, Cultural Resources Investigation; Part B, Sensitivity Analysis, Final Report, Volume 4B, prepared by Waterways Experiment Station, Corps of Engineers Environmental Laboratory, Vicksburg, Miss., and Engineer District Nashville, Nashville, Tenn., for U.S. Department of Energy, Oak Ridge Operations, Paducah Site Office, Paducah, Ky., May.
- U.S. Department of the Army, 1994c, Environmental Investigations at the Paducah Gaseous Diffusion Plant and Surrounding Area, McCracken County, Kentucky; Volume II, Wetlands, Investigation, Final Report, Volume 2, prepared by Waterways Experiment Station, Corps of Engineers Environmental Laboratory, Vicksburg, Miss., and Engineer District Nashville, Nashville, Tenn., for U.S. Department of Energy, Oak Ridge Operations, Paducah Site Office, Paducah, Ky., May.
- U.S. Department of the Army, 1994d, Environmental Investigations at the Paducah Gaseous Diffusion Plant and Surrounding Area, McCracken County, Kentucky; Volume III, Threatened and Endangered Species Investigation, Final Report, Volume 3 prepared by Waterways Experiment Station, Corps of Engineers Environmental Laboratory, Vicksburg, Miss., and Engineer District Nashville, Nashville, Tenn., for U.S. Department of Energy, Oak Ridge Operations, Paducah Site Office, Paducah, Ky., May.

USFWS (U.S. Fish and Wildlife Service), 2002, Biological Opinion on the Application for an Incidental Take Permit for the Federally Endangered Indiana Bat (Myotis sodalis) for the Six Points Road Interchange and Associated Development, Hendricks and Marion Counties, Indiana, Bloomington Field Office, Bloomington, Ind.

USGS (U.S. Geological Survey), 2002, *National Land Cover Data*. Available at http://edc2.usgs.gov/scripts/mapserv.exe?map=d%3A%5CInetpub%5Cwwwroot%5Clccp%5Cnl cd%5Cnlcd.map&zoomsize=2. Accessed July 2002.

U.S. President, 1977a, "Protection of Wetlands," Executive Order 11990, Federal Register, 42:26961, May 24.

U.S. President, 1977b, "Floodplain Management," Executive Order 11988, Federal Register, 42:26951, May 24.

U.S. President, 1993, "Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements," Executive Order 12856, *Federal Register* 58(150):41981–41987, Aug. 6.

U.S. President, 2000, "Greening the Government through Leadership in Environmental Management," Executive Order 13148, *Federal Register*, 65(81):24593–24606, April 26.

Van Lonkhuyzen, R., 2004, "Biological Assessment and Floodplain/Wetland Assessment for the Proposed DUF₆ Conversion Facility at the Paducah Site, Biological Assessment and Wetland Assessment for the Proposed DUF₆ Conversion Facility at the Portsmouth Site," intraoffice memorandum with attached files from R. Van Lonkhuyzen to H. Avci (Argonne National Laboratory, Argonne, Ill.), April 16.

Waynick, J., 2002, personal communication from Waynick (Tennessee Division of Air Pollution Control, Nashville, Tenn.) to Y.-S. Chang (Argonne National Laboratory, Argonne, Ill.), July 17.

Wood, R.A. (editor), 1996, Weather of U.S. Cities, 5th ed., Gales Research, Detroit, Mich.

Yuan, Y.C., et al., 1995, RISKIND — A Computer Program for Calculating Radiological Consequences and Health Risks from Transportation of Spent Nuclear Fuel, ANL/EAD-1, Argonne National Laboratory, Argonne, Ill., Nov.